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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/750,357	12/29/2000	Katsuhiko Tomita	Q62299	6888
7	590 10/04/2002			
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC 2100 Pennsylvania Avenue, N.W. Washington, DC 20037			EXAMINER	
			BROWN, JENNINE M	
			ART UNIT	PAPER NUMBER
			1743	7
			DATE MAILED: 10/04/2002	3

Please find below and/or attached an Office communication concerning this application or proceeding.

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			Applicati n No.	Applicant(s)	— G
			09/750,357	TOMITA, KATSUHIKO	
	Offic	Action Summary	Examiner	Art Unit	
			Jennine M. Brown	1743	
Peri d f		LING DATE of this communicati	on appears n the cover sheet	with the correspondence address	-
THE f - Exter after - If the - If NO - Failu - Any r	MAILING Ensions of time results (6) MONTI period for reply period for reply to to reply within eply received by	O STATUTORY PERIOD FOR DATE OF THIS COMMUNICAT may be available under the provisions of 37 HS from the mailing date of this communica y specified above is less than thirty (30) day is specified above, the maximum statutory in the set or extended period for reply will, by the Office later than three months after the adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(a). In no event, however, may tion. s, a reply within the statutory minimum of the period will apply and will expire SIX (6) Miny statute, cause the application to become	a reply be timely filed hirty (30) days will be considered timely. ONTHS from the mailing date of this communic ABANDONED (35 U.S.C. § 133).	cation.
1)	Respons	ive to communication(s) filed o	n		
2a) <u></u> □	This action	on is FINAL . 2b)	☐ This action is non-final.		
3) Disp siti		accordance with the practice		natters, prosecution as to the med C.D. 11, 453 O.G. 213.	rits is
4)🖂	Claim(s)	<u>1-4</u> is/are pending in the applic	ation.		
•	4a) Of the	above claim(s) is/are w	thdrawn from consideration.		
5)[Claim(s) _	is/are allowed.			
6)⊠	Claim(s) <u>1</u>	<u>'-4</u> is/are rejected.			
7)	Claim(s) _	is/are objected to.			
• -	Claim(s) _ on Papers	are subject to restriction	and/or election requirement.		
9) 🔲 -	The specifi	cation is objected to by the Ex	aminer.		
10) 🔲 🗆	he drawin	g(s) filed on is/are: a)	accepted or b) objected to by	the Examiner.	
	Applicant	may not request that any objectio	n to the drawing(s) be held in abe	yance. See 37 CFR 1.85(a).	
11) 🔲 🛚	he propos	sed drawing correction filed on	is: a) approved b)	disapproved by the Examiner.	
_		ed, corrected drawings are require			
12)[] 1	he oath or	r declaration is objected to by t	he Examiner.	•	
Priority u	nder 35 U	.S.C. §§ 119 and 120			
13)⊠	Acknowled	dgment is made of a claim for f	oreign priority under 35 U.S.C	. § 119(a)-(d) or (f).	
a)[☑ All b)☐] Some * c)☐ None of:			
		tified copies of the priority docu			
		tified copies of the priority docu		···	
		ies of the certified copies of the application from the Internation ached detailed Office action for	nal Bureau (PCT Rule 17.2(a))		;
14)∐ A	cknowledg	ment is made of a claim for do	mestic priority under 35 U.S.C	C. § 119(e) (to a provisional appli	cation).
		anslation of the foreign language gment is made of a claim for do			
Attachment	(s)				
2) Notice	of Draftsper	es Cited (PTO-892) son's Patent Drawing Review (PTO-9- sure Statement(s) (PTO-1449) Paper N	48) 5) Notice of	w Summary (PTO-413) Paper No(s) of Informal Patent Application (PTO-152)	<u> </u>
S. Patent and Tra TO-326 (Rev		Of	fice Action Summary	Part of Paper	No. 5

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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-4 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Generally a CCD (charge coupled device) is a type of detector used in conjunction with an apparatus. A CCD is not used in the art to directly to detect molecular species. The specification describes the structure of a FET sensor having CCD detection but it is not clearly stated how the molecular recognition layer and electrodes are incorporated into the FET sensor and further where CCD detection occurs in the apparatus.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in-
- (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or
- (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United

States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by Marks, et al. (US 6203758).

Marks, et al. teach a molecular recognition layer over the sensor using molecular imprinting techniques for DNA which measures a substance by change in capacitance having CCD detection (col. 2, l. 39-44; col. 3, l. 38-40; col. 4, l. 43-52; col. 5, l. 3-12; col. 8, l. 25-50; col. 19, l. 11-25; col. 22, l. 49-54; col. 25, l. 30-32, 35; col. 26, l. 1-64).

Relevant Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 5587273 teaches a method of molecularly imprinting materials and various methods and materials that can be used to achieve a molecularly imprinted sensor.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennine M. Brown whose telephone number is (703) 305-0435. The examiner can normally be reached on M-F 8:00 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill A. Warden can be reached on (703) 308-4037. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 879-9310 for regular communications and (703) 872-9311 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703)

308-0661.

jmb September 30, 2002

> Supervisory Patent Examiner Technology Center 1700

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